

FEB 21 2012

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	

Root Cause				FAULT CATEGORY			
Environment ☐	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong		
Design ☐	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions		
Doc/Data ☐	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance		
Equip/Tooling ☐	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect		
Handling/Pre ☐	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing		
Material ☐	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved		
Internal Transport ☐	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing		
Tribal Knowledge ☐	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish		
LOA ☐	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread		
Substation ☐	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence		
Past Expiry Date ☐	☐ Manufacturing Process	OTHER : _____					
Misidentified ☐	☐ Past Due						

Work Order ID 156712

Tuesday, February 07, 2017 10:25:06 AM

156712

Page 2

Item ID: D3937-1**Accept*****N900040100*****Setup Start*****NS1*****Revision ID:****Stop*****NS2*****Item Name:** Luminescent Strip**Start Date:** 2/7/2017 **Start Qty:** 25.00***25*****Cust Item ID:****Required Date:** 2/22/2017 **Req'd Qty:** 25.00***25*****Customer:****Reference:****Approvals:****Process Plan:** _____**Date:** _____**Tooling:** _____**Date:** _____**Run Start*****NR1*****QC:** _____**Date:** _____**SPC (Y/N):** _____**Date:** _____**Stop*****NR2*****Sequence ID/
Work Center ID****Operation
Description****Set Up/
Run Hours****Tool ID****Tool #****Plan
Code****Accept
Qty****Reject
Qty****Reject
Number****Insp.
Stamp**

130

Identify as per dwg & Stock Location: ST-511

0.00

130

Packaging

Memo

0.04

Packaging

25FEB 22 2017DAS
6
9-89

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.42

Quality Control

17/2/23
MF
17-2-22

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Tuesday, February 07, 2017 10:25:10 AM

Page 1

Required Qty: 25.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
PL88-990LH00		Purchased	No			110	Each	0.0000	1	25			
PI 88-990LH00									**	25x 8017-02-21			
Luminescent Strip													

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

ITEM	QTY -041	P/N	DESCRIPTION
1	X	D3937-041	LUMINESCENT STRIP ASSEMBLY
2	1	D3937-1	LUMINESCENT STRIP
3	1	D3937-3	SHEET METAL BACKING STRIP

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 156712 *JD*

FEB 07 2017

PEEL SELF-ADHESIVE BACKING FROM
D3937-1 LUMINESCENT STRIP.
ALIGN PART EDGES AND STICK TO
D3937-3 SHEET METAL BACKING STRIP

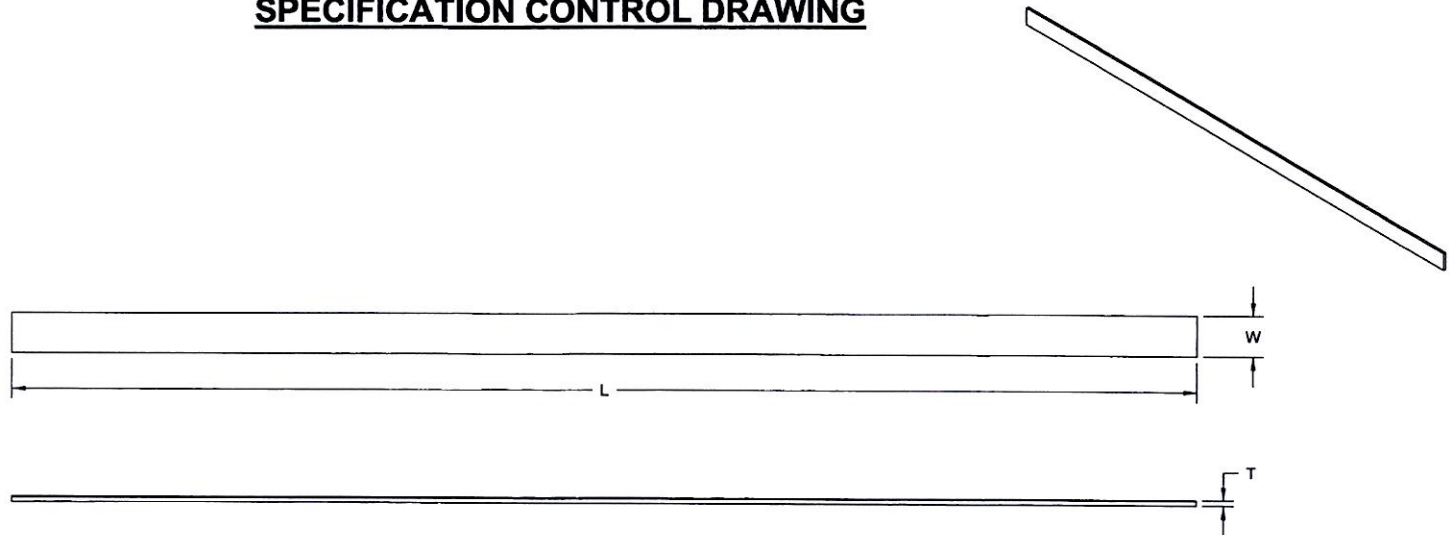
D3937-041 LUMINESCENT STRIP ASSEMBLY

RELEASED
2009-12-02
JD

- NOTES:
1) MATERIAL: N/A
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: N/A
6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3937-041" USING FINE POINT PERMANENT INK MARKER
7) WEIGHT: 0.06 lbs

B	SHEET 2 SPEC CHART LENGTH WAS 21.0. SHEET 3 ZONE C5 19.5 DIM WAS 21.0 REASON: PREVENT EXCESSIVE WASTE.		AJS	09.11.27
A	NEW ISSUE		<i>JD</i>	09.06.02
REV.	DESCRIPTION		BY	DATE
DESIGN	<i>JD</i>		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		DRAWING NO. D3937 REV. B SHEET 1 OF 3	
CHECKED	<i>JD</i>		TITLE LUMINESCENT STRIP SCALE NTS	
MFG. APPR.	<i>JD</i>		DATE 09.11.27	
APPROVED	<i>JD</i>		COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR REPRODUCED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	
DE APPR.	<i>JD</i>			

SPECIFICATION CONTROL DRAWING



D3937-1 LUMINESCENT STRIP

DART PART NUMBER	LENGTH "L"	WIDTH "W"	THICKNESS "T"	SUPPLIER	SUPPLIER PART NUMBER	WEIGHT
D3937-1	19.5	0.67	0.09	LUFTHANSA TECHNIK	PL88-990LH00	0.04 LBS

△B

RELEASED
2009-12-02
W

NOTES:

- 1) MATERIAL: SEE TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: SEE TABLE

DESIGN	<i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS	DRAWING NO.	REV. B
CHECKED	<i>[Signature]</i>	D3937	SHEET 2 OF 3
MFG. APPR.	<i>[Signature]</i>	TITLE	SCALE
APPROVED	<i>[Signature]</i>	LUMINESCENT STRIP	NTS
DE APPR.	<i>[Signature]</i>	COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	
DATE	09.11.27		

D3937-3 SHEET METAL BACKING STRIP

RELEASED
2009-12-02

NOTES:

- 1) MATERIAL: 6061-T6 (OR 6061-T62) ALUMINUM SHEET 0.032 THICK
PER AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
REF DART SPEC M6061T6S.032
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.02 lbs

DESIGN		DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. B
MFG. APPR.		D3937	SHEET 3 OF 3
APPROVED		TITLE	SCALE
DE APPR.		LUMINESCENT STRIP	NTS
DATE	09.11.27	COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO35226

Purchase Order Date 2/7/2017 12:51:10 PM
PO Print Date 2/7/2017

Page Number 1 of 2

Order From :

VU-LUF001

Ship To : DART AEROSPACE LTD

LUFTHANSA TECHNIK AG
P.O. BOX 7247 - 0006739
PHILADELPHIA, PA 19170 - 0006739
USA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FEB 08 2017

E-MAILED

Contact Name

Vendor Phone

+49 40 5070 60430

Ship To Contact

Ship To Phone

Ship Via:

FedEx Overnight collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable CD Promise Date	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	PL88-990LH00 AS PER DWG D3937 REV. B B156712 P/N:PL88-990LH00 25 PCS CUT AT 19.5"	Luminescent Strip	2/21/2017 Yes 2/21/2017	25.00 Each	\$140.62	\$3,515.50
Line Total:						\$3,515.50
2	71401-45 Quality Procurement Clauses A005 RIGHT OF ENTRY A016 PERSONNEL QUALIFICATION A026 CERTIFICATE OF MATERIAL CONFORMANCE A041 QUALITY MANAGEMENT SYSTEM A042 DART NOTIFICATION BY SUPPLIER A043 RETENTION OF QUALITY DOCUMENTS	PROCUREMENT QUALITY CLAUSES	2/21/2017 No 2/21/2017	1.00	\$0.00	\$0.00

Note:

2/7/2017

SP17-02-21

Lieferschein / Packing Slip



Lufthansa Technik

1 ea GuideU Ship Set
for DART Aerospace LTD

PO35226

Description: Luminescent Strip

Lieferanschrift:

Dart Aerospace LTD

1270 Aberdeen Street
Hawkesbury, ON K6A 1K7

Canada

Ship Set includes:

Partnummer	QTY
PL88-990LH00 (19,5")	25 ✓

SPH-0221

Team GuideU®, HAM TX/BL

1 (1)

DAS
38
9-89



PROFORMA INVOICE

14.02.2017

Page 1 of 2

SHIPPER Lufthansa Technik AG c/o: Lufthansa Technik Logistik HAM UE/SF1 Geb. 210 Weg beim Jäger 193 DE - 22335 Hamburg	Document No. 52070272355 
Consignee's Name and Address DART AEROSPACE LTD. 1270 ABERDEEN STREET CA - K6A 1K7 HAWKESBURY, ON	Shipping Information Customs status X Incoterm FCA HAM Priority B2 Routing HAM- FED . .

No of Pieces	Gross weight kg	Description of Packing
1	1,60	1 Empty / 1,60 KG / 214x4x4CM /

POS	Material-/Partnummer	Description
1	PL88-990LH00:C1008 25,000 EA Ser.No.. Int: Cost Center: 65568351 ZID:010101010 Our Reference: , Item No. Note: GuideU for Dart Helicopter Dart PO No. 35226 Customs Tariff No.: 391990 Reason for Shipping: Verkauf / sale Export List No: 0 VALUE FOR IMPORT CUSTOMS PURPOSES ONLY: USD 3.515,50 Material is not listed as Dual-use good according to Council Regulation (EC) 428/2009 RET-EXP - 304000 These items are controlled by the U.S. Government and authorized for reexport only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations. Civil Aircraft Parts	GALLEY # GALLY LIGHT PHOTOLUMINESCENT Condition: new Unit Price: USD 140,62 Total Price (Pos.): USD 3.515,50 Int. Customer Reference: 000091155496 ATLAS-Reg.: 000000 Your Reference: Country of Origin: Germany Export ECCN: 9A991D

Total Invoice Value USD 3.515,50
Total Value for Import Customs USD 3.515,50

Please contact our Customer Service, Lufthansa Technik Logistik in Hamburg. If you have any questions or comments about our package: Phone: +49-40-507064717 Mail: HAM.CustomerService@LTL.DLH.DE

Confirmation: The material has been obtained from a Lufthansa Technik approved source. We confirm that the parts were not obtained from any U.S. Government or U.S. Military sources. The parts have not been subjected to extreme stress or heat (as in major engine failure, accident or fire) to the best of our knowledge and while in possession of Lufthansa Technik unless otherwise indicated. This document was issued electronically and is therefore valid without signature.

52070272355

14.02.2017

MATERIAL IDENTIFICATION (VERSAND: MATERIAL-IDENTIFIZIERUNGSBELEG)



051007965900001

Order number :
Item :
Contact :
Purchasing Grp. :
Phone :
Department / Date : /

Versandpriorität : 02 = B2:Routine Transport

Materialdaten

PNR/MFR : PL88-990LH00:C1008
Description (German) : GALLEY # GALLY LIGHT PHOTOLUMINESCENT
Description (English) : GALLEY # GALLY LIGHT PHOTOLUMINESCENT
Serial No :
Condition : 1
Quantity : 25 EA
ZID :
Charge (EO) :
abg. Lagerort :
Dangerous Good (Gefahrgut):
AL-Code: 0
ASS-Code **not identified**
ECCN: 9A991D
Lizenz:
empf. Lagerort: *SP1702-21*

Internal information (for LH-use only):

Versandauftragsdaten

Versandauftrags-Nr : 510079659
VA Pos-Nr : 1
Kostenträger(KST/AUF) : 91155496
SM-Meldung Nr :
SM-Meldung Homebase :
Name/Abt./Tel.Nr.Ersteller: Becker / HAM TX/BL / +49 40-5070-68509
Erstelldatum : 13.02.2017

Empfänger

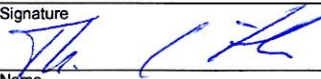
Adresse:
Empfängername : Dart Aerospace Ltd.
Empfängername 2 :
Empfängername 3 :
Strasse/Nr : 1270 Aberdeen Street
Post-LZ / Ort / Region : K6A 1K7 Hawkesbury ON
Länderkennzeichen : CA Land Code
LH-Intern (Org-Einh.) :

Versanddaten

Verpackungscode : YAA

Additional information

GuideU for Dart Helicopter
Dart PO No. 35226

1. Country Germany		2. Certificate of Conformity				3. Certificate Ref. 90. LHT/WM481 13FEB/2017	
4. Organisation  Lufthansa Technik		Lufthansa Technik AG Weg beim Jäger 193 P.O. Box 630300 D-22313 Hamburg Federal Republic of Germany				5. Work Order/Contract/Invoice 35226	
6. Item	7. Description	8. Part No.	9. Eligibility (1*)	10. Qty.	11. Serial/Batch No.	12. Status/ Work	
01	GuideU AC/MSN Dart Helicopter SHIP SET	P/N Ship Set: PL88-990LH00	unknown	1	N/A	new	
13. Specification/Remarks BATCH NO.: 07.17 MANUFACTURE DATE FEB/2017 25 EA 19,5" P/N PL88-990LH00 TASK PERFORMED IN ACC.: Dwg No.: D3937 Rev.B SHELF LIFE EXPIRE DATE FEB2023							
14. Signature 		15. ID-Stamp 023629		18. Statement Certifies that the part(s) specified above conform(s) with the specification in box 13 and is (are) new.			
16. Name THOMAS GÜNTHER WM 481		17. Date /dd/mm/yy. 13FEB2017					

(1*) Installer must determine installation eligibility